Amendments to the Specification

Per 37 C.F.R. §1.121(b), please amend the specification as provided in which deleted language is shown in strikethrough text and added language is underlined. Applicant requests that ¶ 0021 on page 7-8 of the specification be replaced with the following paragraph:

FIG. 1 shows a block diagram of a gas-sensing SAW device 102 in a chemical sensor system 100, in accordance with the system and method of molecule counting using fluctuation enhanced sensors. SAW device 102 typically includes two electrode pairs 106 and 108. Although SAW device 102 is shown in FIG. 1 as only having two electrodes, it is recognized that any number of electrode pairs for the generation and measurement of surface propagating waves on a SAW device may be implemented. The space between electrode pairs 106 and 108 is referred to as the gas-sensing region 110 or the "sweetspot". In operation, the extra inertial mass of adsorbed molecules 112 decreases the propagation velocity of a generated surface acoustic wave 101 and thus the delay time increases between electrode pairs 106 and 108. The propagation velocity of surface acoustic wave 101 is inversely proportional to the number of adsorbed molecules 112 in the gas-sensing region 110. As used herein, the term gas-sensing zone and active zone are used interchangeably.